

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

Sub 61 1. A vehicle seat and headrest arrangement comprising:
 a seat bun frame means having fore and aft ends;
 a seatback frame means joined to the bun frame means adjacent the aft end of the bun frame means; and
 5 a headrest means with means of pivotal attachment with the seatback frame means along a pivotal axis generally perpendicular to the fore and aft direction whereby, upon a rear vehicle impact, the headrest means moves in a forward direction toward a head of a vehicle seat occupant.

4 2. An arrangement as described in claim 1 wherein the headrest ~~has~~
is a cushion portion ~~is~~ separated from the seatback frame ~~means~~ by a post.

7 3. An arrangement as described in claim *2* wherein the post is positionably held by a clamp having a generally fixed pivotal axis with a cross member of the seatback frame ~~means~~.

2 4. An arrangement as described in claim 1 further comprising a spring operatively associated with the seatback frame ~~means~~ biasing the headrest against pivotal movement.

a 5. An arrangement as described in claim *4* wherein a spring elastically biases the headrest against pivotal movement up to a predetermined limit and thereafter plastically deforms.

8 6. An arrangement as described in claim *2* having an impact plate *said target* operatively associated with the post and at least one cam guide member wherein a force upon the impact plate causes the headrest to rotate forwardly.

9 7. An arrangement as described in claim *2* further including the seatback frame ~~means~~ having a cross member and wherein the post is

operatively associated with ~~an impact member~~ and a cam guide to direct the ~~impact member~~ ^{the target} and wherein the post has a pivotal axis with respect to the cross member which is non-fixed with respect to the post upon impact upon the ~~impact member~~ ^{target}, causing the headrest to pivot forwardly and extend upwardly.

5 4. ~~An arrangement as described in claim 1 wherein the headrest effectively extends upwardly upon its pivotal movement toward the head of a seat occupant.~~

Sub P2 9. ~~An arrangement as described in claim 8 wherein the post of the headrest extends rearwardly of the ~~center~~ of rotation of the post with respect to the pivotal axis of the headrest with the frame cross member.~~

Sub 3 10. A method of providing a headrest for a vehicle seat having a seat bun frame connected to an aft end of a fore and aft seat bun frame means, the method comprising:

5 pivotally attaching a headrest means with a pivotal axis generally perpendicular to the fore and aft direction of the seat; and upon a rear impact, pivoting the headrest forward to contact a head of a seat occupant.

11. A method as described in claim 9 further comprising extending the headrest upwardly.

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